

Applicant : Schele Van Doorn
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Attorney's Docket No.: 12754-064001 / 00P7629

REMARKS

The applicant's representative, Brenda Leeds Binder of Fish & Richardson, conducted a telephonic interview with Examiner Leon on February 10, 2004. The new reference cited by the Examiner in the most recent office action, U.S. Patent No. 5,611,013 ("Curzio"), was discussed and compared to the transducer recited in the applicant's claim 1. No agreement was reached.

Claims 1-19 are pending in this application. Claims 11-19 are withdrawn from consideration. Claims 1-4 and 6-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Curzio. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Curzio in view of U.S. Patent No. 6,024,584 ("Lemke"). The applicant respectfully traverses the rejections and requests reconsideration in view of the following remarks.

Claim 1 recites a transducer including a housing, an input/output lead and electronic circuitry. The housing is mountable on a substrate and configured to receive a jumper cable. The input/output (I/O) lead is supported by the housing and configured to directly contact an I/O lead of an integrated circuit mounted on the substrate. The electronic circuitry is supported by the housing to transition between an electronic data transfer protocol of the jumper cable and an electronic data protocol of the integrated circuit.

Referring to Curzio's FIG. 4, the Examiner asserts that Curzio discloses a transducer having an input/output (I/O) lead (17, 25, 26, 27) supported by a housing (1) and configured to contact an I/O lead (31) of an integrated circuit (33) mounted on a substrate (3). The applicant respectfully disagrees with the Examiner's characterization of Curzio. Specifically, referring to the attached FIG. 4 from Curzio, the capsule (1) includes electrical conductors (17) on the front side of the capsule (1) that continue as electrical conductors (25) on the bottom side of the capsule (1). The electrical conductors (25) on the bottom of the capsule are electrically connected through a tin solder (27) to conductive paths (29) on the top side of the support (3). The conductive paths (29) - which are on the support and are not part of the capsule (1) - are then connected through a bonded wire (31) to an electrical terminal on a circuit plate (33) [See Curzio, Col. 6, line 56 - Col. 7, line 4].

The applicant's claim 1 requires an "I/O lead supported by the housing that is configured to directly contact an I/O lead of an integrated circuit mounted on the substrate." The applicant

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points out an advantage of the direct contact between the I/O lead of the transducer and the I/O lead of the integrated circuit at page 2, lines 27-31, wherein the applicant states that "the direct electrical connections between the transducers and the integrated circuits provide high-speed communication channels that avoid the parasitic and high-inductance limitations generally associated with conventional metallic printed circuit board traces."

By contrast, Curzio does not disclose a direct connection between the capsule (1) and the circuit plate (33). Rather, Curzio shows an indirect connection via a tin solder (27) and conductive paths (29) on the surface of the support (3); there is no direct connection between an I/O lead of the capsule (1) and an I/O lead of the circuit plate (33). Accordingly, the limitations of claim 1 are not satisfied, and claim 1 is allowable over Curzio.

Claims 2-10 depend from claim 1 and are therefore allowable for at least the same reasons.

Enclosed is a \$110.00 check for the Petition for Extension of Time fee. Please apply any other charges or credits to deposit account 06-1050.

Brenda Leeds Binder has been given limited recognition under 37 CFR § 10.9(b) as an employee of the Fish & Richardson PC law firm to prepare and prosecute patent applications wherein the patent applicant is a client of Fish & Richardson PC and the attorney or agent of record in the applications is a registered practitioner who is a member of Fish & Richardson, which is the case in the present application. A copy of the Limited Recognition document, which expires July 16, 2004, is attached hereto.

Respectfully submitted,

Date: 2/19/04



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Limited Recognition under 37 CFR § 10.9(b)

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